

## CLAIMS

What is claimed is:

1. A method of calibrating a scanner, comprising the steps of:
  - 2 performing a full calibration scan;
  - 4 performing at least one partial calibration scan;
  - 6 comparing the full calibration scan to the partial calibration scan;re-performing the full calibration scan when the difference between the partial calibration scan and the full calibration scan is at least equal to a predetermined amount.
2. The method of claim 1 where the partial calibration scan does not move the scan head.
3. The method of claim 1 where the partial calibration scan does not turn off the scanner lamp.
4. The method of claim 1 where the partial calibration scan is done periodically.
5. The method of claim 4 where the period between partial calibration scans is based on time.
6. The method of claim 4 where the period between partial calibration scans is based on temperature.
7. A method of calibrating a scanner, comprising the steps of:

1. performing a full calibration scan;
2. performing at least one partial calibration scan;
3. comparing the full calibration scan to the partial calibration scan;
4. adjusting the gains globally for the full calibration scan when the difference between the partial calibration scan and the full calibration scan is less than a predetermined amount.

8. The method of claim 7 where the partial calibration scan does not move the scan head.

9. The method of claim 7 where the partial calibration scan does not turn off the scanner lamp.

10. The method of claim 7 where the partial calibration scan is done periodically.

11. The method of claim 10 where the period between partial calibration scans is based on time.

12. The method of claim 10 where the period between partial calibration scans is based on temperature.

13. A method of calibrating a scanner, comprising the steps of:

2. performing a full calibration scan and storing the results as a reference scan;
3. performing at least one partial calibration scan without moving the scan head;
4. comparing the reference scan to the partial calibration scan;

6 performing a PRNU calibration scan and storing the results as a reference scan  
when the difference between the partial calibration scan and the reference scan is at  
least equal to a predetermined amount.

14. The method of claim 13 where the partial calibration scan is done periodically.

15. A method of calibrating a scanner, comprising the steps of:

2 performing a full calibration scan and storing the results as a reference scan;  
4 performing at least one partial calibration scan without moving the scan head;  
comparing the reference scan to the partial calibration scan;  
6 adjusting the gains globally for the reference scan when the difference  
between the partial calibration scan and the reference calibration scan is less than a  
predetermined amount.

16. The method of claim 15 where the partial calibration scan is done periodically.

17. A method of calibrating a scanner, comprising the steps of:

2 performing a PRNU calibration scan and storing the results as a reference  
scan;  
4 performing at least one partial calibration scan without moving the scan head;  
comparing the reference scan to the partial calibration scan;  
6 re-performing the PRNU calibration scan when the difference between the  
partial calibration scan and the reference scan is at least equal to a predetermined  
8 amount.

18. The method of claim 13 where the partial calibration scan is done periodically.